

# Notice of Allowability

Application No.

10/520,127

Examiner

Tamai I.E. Karl

Applicant(s)

BEN AHMED ET AL.

Art Unit

2834

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/21/2005.
2. ☒ The allowed claim(s) is/are 1-13.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

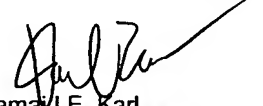
4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 1/3/2005
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

KARL TAMAI  
PRIMARY EXAMINER

  
Tamai I.E. Karl  
Primary Examiner  
Art Unit: 2834

### **Examiner's Amendment**

1. Authorization for this examiner's amendment was given in a telephone interview with Stephen Maebius on 1/7/2008.

The application has been amended as follows:

Specification page 4, line 3, replace "2bis" with --2a--.

Claim 2, line 3, delete "rotating".

Claims 5 and 6, replace "magnet" with --magnetized part--.

### ***Drawings***

2. The drawings were received on 1/3/2005 are accepted.

### ***Information Disclosure Statement***

3. The examiner notes the two foreign references cited in the IDS dated 1/3/2005 where not provided by the applicant. The references have been considered as cited on the USPTO 892.
4. The information disclosure statement filed 1/3/2005 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each cited foreign patent document; each non-patent literature publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. It has been placed in the application file, but the information referred to therein has not been considered.

### **Reasons for Allowance**

5. The following is an examiner's statement of reasons for allowance: the prior art does not teach an electric actuator or generator having an active part and a passive part which are free to move in respect to each other, where the active part includes : one or several phases connected to an electrical source or load, the active part including a global solenoid winding for each phase and a stack of ferromagnetic or non-magnetic parts and magnetized parts inside the windings where the magnetized parts have magnetization directions parallel to the relative displacement direction and successive magnetization directions opposite to each other, the ferromagnetic or non-magnetic parts of the stack have passages that each carrying at least one element free to slide with respect to the active part, the passive part includes : sliding rods each with a succession of alternating magnetic portions and non-magnetic portions arranged to be facing the different magnetized or non-magnetized parts of the stack one after the other such that an alternating magnetic flux is generated in the winding in each phase and where the passages formed in the ferromagnetic or non-magnetic parts of the stack form orifices with an internal section that surrounds a sliding element, where each rod has an external periphery complementary to the internal section of the orifices through which they pass, wherein each rod interacts magnetically with the ferromagnetic or non-magnetic part through which its external periphery passes.

Application/Control Number:  
10/520,127  
Art Unit: 2834

Page 4

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karl I.E. Tamai whose telephone number is (571) 272 - 2036.

The examiner can be normally contacted on Monday through Friday from 8:00 am to 4:00 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Darren Schuberg, can be reached at (571) 272 - 2044. The facsimile number for the Group is (571) 273 - 8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Karl I Tamai  
PRIMARY PATENT EXAMINER  
January 7, 2008

  
KARL I. TAMAI  
PRIMARY PATENT EXAMINER